

Things to know about a computer system administrator

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Computer system administrators are those responsible for the network of the organization they are working with. This is a position that requires candidates to be able to remedy and repair network incidents quickly because most of the operations of businesses and organizations today must depend heavily on functions. network system to complete daily tasks.

Therefore, this is not a suitable position for those who can easily be overwhelmed by the large workload, have to work continuously or are simply pressures on the job.



What is a computer system administrator?

Computer system administrators are those who help maintain the organization's workflow and keep the communication lines in that organization always open for daily use.

A computer administrator will work with network and cable server systems, and solve problems that occur in their company's hardware and software systems. They are also the ones who make the necessary updates for all hardware and software devices to ensure the safety of the network in the company.

In addition, computer administrators also ensure the proper functioning of networks that store email and data and connect employee workstations to the central computer network to function correctly. They must also train new users in the use of relevant software and hardware.

In some special cases, administrators may also have to manage telecommunication networks to connect employees outside the office.

Adaptability is the key to success in this job. Network technology is constantly changing. Therefore, it is important for administrators to keep up to date with the latest development standards and trends. For this reason, many people constantly participate in courses throughout their careers to keep up with the latest knowledge.

The functions of computer system administrators often include:

1. Determine the cause of the error and take the necessary steps to fix the errors.
2. Works with key services such as DNS, DHCP and firewalls.
3. Keep up to date with current technology changes and trends for the system.
4. Track and answer questions related to computer systems.
5. Solve upgrade issues to the computer system as appropriate to meet the needs of the company.
6. Capture the flow of information and basic knowledge of network technology.

How to become a computer system administrator

To become a computer system administrator, you will need to have a bachelor's degree in computer science or information technology. Sometimes you only need to have a degree in computer-related fields or electrical engineering is also accepted by employers.

In addition to the relevant qualifications, practical experience and knowledge in programming languages, network systems and network design are also very useful, but not necessarily necessary.

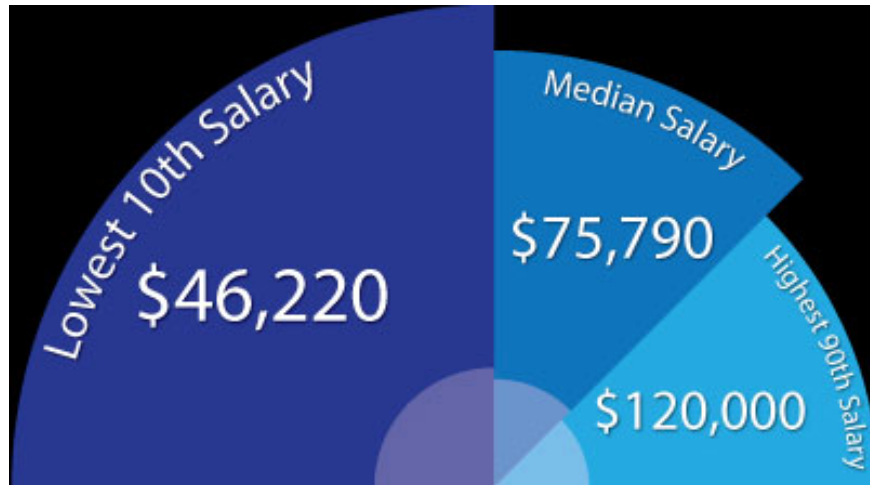
Certificates

Certificates are a great factor to make your resume stand out from other candidates. Certifications are also a factor that confirms your knowledge of the development of information technology and shows that you are really serious about pursuing this field.

You can join a professional organization like Computer Associations to accumulate the knowledge and experience necessary to become a computer system administrator. For example, the Association for Computing Machinery (ACM) provides online courses for certification on various topics such as C ++, cloud computing, Linux network management and more.

In addition, certification programs are organized by Microsoft, Cisco and Red Hat. In the United States, businesses often require applicants for a computer system administrator to obtain this certification to take into account consideration.

Trade in income expectations and jobs



According to the US News and World Reports, the average salary for a computer system administrator in the US is 77,810 dollars by the end of 2015. They have also ranked computer system administration jobs in the list of 100 types of jobs. The best job in America.

Overall, growth and opportunities for advancement in this work are not as fast as positions related to computer science and other information technology. But the US Bureau of Labor Statistics still expects growth for this job to reach 12% compared to other industries in the US in the future.

summary

Regularly improving knowledge and updating rapid changes in the field of information technology can make many people feel tired, but that's exactly what businesses still need in system administrators. their computer system. All the essential communication activities today in an organization will not happen without the computer system administrators and that fact makes them one of the most important positions. most in the entire company system.

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